



## **NJEDge.Net Verizon FIOS Project**

PEG TRAINING AND EQUIPMENT PROJECT

# **DRAFT**

*In-House Version, not to be distributed outside NJEDge or Verizon*  
**April 6, 2014 2:50PM**

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# NJEDge.Net Verizon FIOS Project



NJEDge.Net New Jersey's Higher Education Network, is a non-profit consortium that was developed as part of the state plan for higher education. The consortium was designed to support New Jersey's institutions of higher education in their pursuit of excellence. The mission of NJEDge.Net is to provide collaborative resources and networked information services to its members and affiliates in support of education; research and development; outreach and public service; as well as economic development throughout the state of New Jersey. In providing a statewide network infrastructure, NJEDge.Net establishes standards for interoperability, achieves economies of scale and supports new and emerging technology-enabled forms of collaboration among its members and affiliates.

NJEDge.Net agrees to provide a "coordinating role" between the NJ colleges and universities as well as other entities participating in the program and Verizon, in order to meet its state requirement to provide video production equipment and training to individuals providing programming for the Verizon PEG channels available over FIOS. As part of this coordinating role, NJEDge will develop, maintain and support an inventory management program to track usage data of equipment and maintenance. NJEDge will be responsible for the purchase of all equipment. Additionally, NJEDge will develop and support a registration program to track individuals participating in the training programs offered at the individual colleges. Verizon will have direct web access to this data so that reports can be generated as needed. NJEDge.Net will coordinate training materials and have them available online for the colleges to share and make appropriate materials available online directly to participants of the training program through an open source learning management system.

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## Field Equipment List

Line No	Page No	Mfr	B&H Part No	Qty	Description
<b>CAMERA AND ATTACHMENT ACCESSORIES</b>					
1	6	PANASONIC	PAAGAC90	1	AG-AC90 AVCCAM HANDHELD CAMANDER
2	7	ELVID	ELCM7NEL3	1	7" ON-CM FLD MONITOR
3	8	MARSHALL	MAMSUN702	1	HOOD FOR MONITOR
4	9	PANASONIC	PAVWW4907H	1	WIDE CONVERSION LENS f/V700-X900
5	10	TIFFEN	TIUVP49	1	49mm UV PROTECTOR FILTER
6	11	VELLO	VECB410	1	TRIPLE SHOE V-BRACKET (4.1" Wide)
7	12	REVO	RESR1000	1	VIDEO SHOULDER SUPPORT
8	13	LIBEC	LIRS250RM	1	TRIPOD
9	14	LIBEC	LIZC3DV	1	REMOTE ZOOM CONTROL
10	15	LEXAR	LESD400X32GB	2	32GB MEMORY CARD
11	16	KINGSTON	KIFCRMLG3	1	SINGLE CARD READER
12	17	WATSON	WACPACGRDUS	1	COMPACT CHARGER
13	18	WATSON	WACPACGRDU	1	DUAL BATTERY CHARGER
14	19	PANASONIC	WACGAD54	2	BATTERY FOR CAMERA
15	19	WATSON	WALPE6	1	BATTERY FOR MONITOR
<b>AUDIO</b>					
16	20	SONY	SOMDR7506	1	HEADPHONE
17	21	ELECTROVOICE	ELRE50B	1	HANDHELD ENG MICROPHONE
18	22	RYCOTE	RYMF1938SQ	1	SQUARE MICROPHONE FLAG
19	23	ON-STAGE	ONMY200	1	CLOTHESPIN-STYLE PLASTIC MICROPHONE CLIP
20	24	RODE	RONTG2BK2	1	SHOTGUN MICROPHONE KIT
21	25	AURAY	AUDUSM1	1	UNIVERSAL SHOCK MOUNT
22	26	AURAY	AUBPB34	1	BOOMPOLE BAG
23	27	K-TEK	KTKE89CC	1	BOOMPOLE WITH INTERNAL XLR CABLE
24	28	RODE	ROWS6	1	WINDSHIELD W/SYNTHETIC FUR COVER
25	29	AURAY	AUGRIP	1	PISTOL GRIP
26	30	KOPUL	KOM4001.5R	1	XLR AUDIO CABLE 1.5'
27	30	KOPUL	KOM4020R	1	XLR AUDIO CABLE 20'
28	31	SENNHEISER	SEEW100EN3A	1	WIRELESS MICROPHONE SYSTEM
29	32	BEHRINGER	BEX1002	1	10 CHANNEL AUDIO MIXER
<b>LIGHTS</b>					
30	33	VIDPRO	VIZ96K	1	VIDEO LED LIGHT KIT
31	34	IMPACT	IMFRC22K	1	3 LAMPS KIT
<b>CASES</b>					
32	35	PELICAN	PE1510DB	1	CASE WITH DIVIDERS
33	36	PETROL	PEPC306	1	BACKPACK FOR CAMERAS
34	37	PORTA BRACE	POQSMAC90	1	RAIN SLICKER/COVER

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## Storage, Bar Coding, and Editing

Line No	Page No	Mfr	Part No	Qty	Description
35	39	Sandusky	DA42361872-05	1	Sandusky 72" Steel Storage Cabinet with 4 Adjustable Shelves
36	40	Dell	PP40S	1	Dell Inspiron 1210 (replacement needed)
37	41	Symbol	LS2208	1	General Purpose Bar Code Scanner
38	42	Apple	iMAC	1	iMac 27-inch widescreen computer with Final Cut Pro X

*NOTE: Total does not include Desk and Chair if needed, approx cost \$700.00*

## STORED AT OFFICE ONLY

Line No	Page No	Mfr	Part No	Qty	Description
39	44	BLACKMAGIC	BLATEMPSTU4K	1	PRODUCTION STUDIO 4K LIVE SWITCHER

# Field Equipment

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## PAAGAC90

### Panasonic AG-AC90 AVCCAM Handheld Camcorder



The **Panasonic AG-AC90 AVCCAM Handheld Camcorder** features 1/4.7" 3MOS sensors, with 2.19MP each, to capture Full HD 1920x1080 resolution video. Variable frame rates record HD video at 60p, 60i, 30p, and 24p. The camera's fixed lens has a 12x zoom ratio, up to f/1.5 brightness, a 35mm equivalent of 29.8-357.6mm and manual control rings for focus, zoom and iris. In addition, Nano Surface Coating works to reduce ghosting and flare.

The AG-AC90 has two SD card slots for expanded memory or simultaneous recording to both cards for an instant back-up. A five-axis image stabilizer improves stabilization for handheld shooting, and 4x pixel shifting technology helps to create a sharper image. An Intelligent 25x digital zoom function makes automatic adjustments of edge, gradation and detail.

Professional AVCCAM HD recording modes include PS mode, which records 1080/60p at 28 Mbps. Additionally, PH mode averages 21-24 Mbps, and HA mode clocks in at approximately 17 Mbps. Finally, for extended recording times, HE mode uses approximately 6 Mbps. The AG-AC90 is compatible with Panasonic's ultra high-speed UHS-1 series of memory cards, as well as SDXC and SDHC cards.

In addition to the built-in microphone, two XLR audio inputs provide an interface for professional grade, external microphones. Audio Channel 1 and Channel 2 feature individual level controls and input selection.

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## ELCM7NEL3

### ELVID 7" ON-CM FLD MONITOR



The Elvid FieldVision 7" On-Camera Monitor with Nikon EN-EL3e Battery Plate and Charger is a 7" LCD monitor that you can attach to a DSLR or HD video camera via the 1/4"-20 threaded mounting hole on the bottom of the monitor. It comes equipped with a Nikon EN-EL3e type battery and charger. The field monitor features a native resolution of 800 x 480 pixels and supports resolutions up to 1920 x 1440 scaling down the video to fit. With brightness levels of 250 cd/m2, a 500:1 contrast ratio and a wide off axis viewing angle this monitor is a useful tool when shooting video or stills, providing you with a larger image than your camera's built-in viewfinder or LCD screen.

The monitor provides dual composite video inputs and a single audio input, as well as HDMI and VGA (PC) connectivity. Special features include horizontal and vertical image flip, a rear speaker for audio monitoring, and auto aspect ratio detection. When using the HDMI or VGA inputs you can adjust the color temperature of the monitor's display. The monitor includes one Nikon EN-EL3e type battery, a charger, an AC power supply, and a cigarette lighter power adapter. The battery plate is removable, and replacement battery plates are available so you can power your monitor with optional compatible batteries. The included accessory shoe to 1/4"-20 adapter allows you to mount the monitor directly to your camera's hot/cold shoe.

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### MAMSUN702

Marshall Electronics Sun Hood for M-CT7 7" Camera Monitor



The **Marshall Electronics Sun Hood for M-CT7 7" Camera Monitor** attaches around a Marshall M-CT7 on-camera monitor to protect against the glare of the sun or from any strong light so to let you see the monitor screen clearly. The hood comes in very useful when you use the monitor outdoors but at times just as useful indoors.

The hood attaches to the monitor by various methods, all optional. A most common way is by touch fasteners. These attach to the sides of the monitor and the hood can then be stuck to them and removed from them and so on back and forth. Touch fasteners can affordably be purchased in most all hardware stores.



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### PAVWW4907H

Wide Conversion Lens f/V700-X900



The Panasonic 0.75x Wide Angle Lens Conversion allows you to extend your shot framing by 0.75x. This means you can get more people in the frame without having to move further back. This model fits on the V700 and X900 camcorders

- High definition 0.75x wide angle lens
- Extend your wide angle framing
- Ideal for close-up shots
- 0.75x Wide Conversion Lens

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## TIUVP49

### Tiffen 49mm UV Protector Filter



The **Tiffen 49mm UV Protector Filter** is a general use, clear filter that helps to absorb ultraviolet light and reduce the bluish cast of daylight. This filter is especially useful when photographing at high altitudes or around bodies of water. No additional coloration or contrast is provided, allowing you to pair this filter with others.

The UV filter is also useful as a general protective filter to leave on lenses at all times. Filters help to reduce dust and moisture from reaching your lens element and provide additional protection in case of drops or situations where scratching could occur.

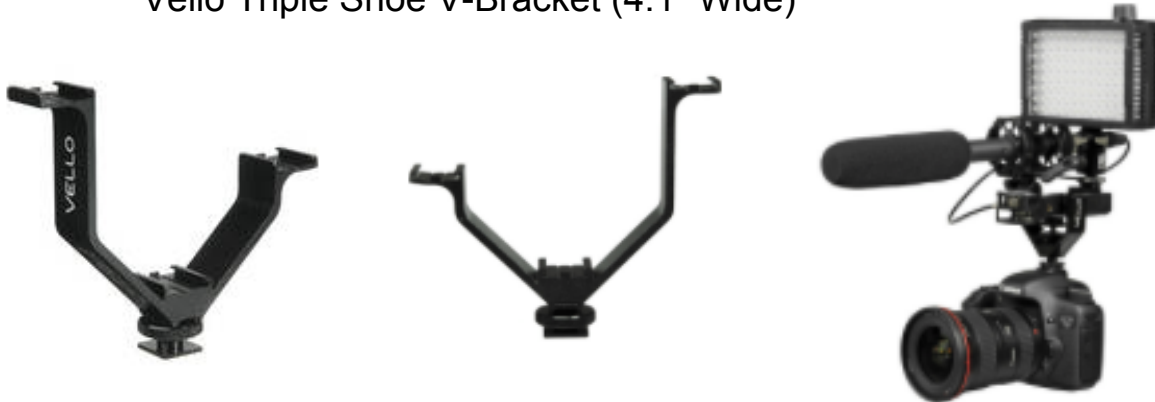
Tiffen filters are made using ColorCore technology; a process that involves laminating the filter substrate between 2 pieces of optical glass, grinding flat to a tolerance of 1/10,000th of an inch, then mounting to precision metal rings.

- Absorbs some ultraviolet light and reduces bluish cast of daylight.
- Clear filter provides no additional coloration or contrast, allowing you to pair this filter with others.
- General protection filter reduces dust, moisture, and scratches from reaching lens elements.

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## VECB410

### Vello Triple Shoe V-Bracket (4.1" Wide)



The **Vello Triple Shoe V-Bracket (4.1" Wide)** mounts onto a camera's accessory shoe in order to provide three additional accessory shoes for mounting lights, monitors, microphones, or other accessories. In addition to the shoe mount, a 1/4"-20 thread is also available for attaching the bracket to a tripod, rig, or other bracket featuring a 1/4"-20-threaded mount.

The bracket is constructed from rigid, yet lightweight aluminum alloy, and the mounting shoes are machined out of the same piece as the bracket, for additional strength. The accessory shoes also feature backstops for greater security when attaching accessories. The bottom shoe that attaches to the camera features a locking pin, which keeps the shoe in place and prevents the shoe from rotating during use.

- **4.1" Wide Bracket** This V-Bracket's width spans 4.1" cm and has a tiered design for mounting up to three additional accessories.
- **Machined Aluminum Alloy** The bracket is machined out of one single piece of aluminum, which provides greater strength to the three shoes
- **Accessory Shoe and 1/4"-20 Socket Mounts** The bracket can attach directly to a camera via the accessory shoe or, additionally, it features a 1/4"-20 socket for attaching to threaded mounts such as a tripod.
- **Locking Pin** The bottom shoe that mounts on to the camera features a locking pin, which prevents the bracket from rotating.

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## RESR1000

### Revo Video Shoulder Support



The **Revo SR-1000 Shoulder Support Rig** is designed for a run-and-gun style of video shooting and enables smoother camera movements than are otherwise possible with a handheld set-up. Weighing just 2.25 lbs, the SR-1000's lightweight, ergonomic design helps to reduce fatigue for prolonged use. The rig supports a max capacity of up to 5.5 lbs, which is suitable for a DSLR or small to mid-sized camcorders.

The shoulder support pad is reversible for a right-handed or left-handed configuration, and the assembled rig is forward, backward and height adjustable. The foam padded handle can also be detached for use as a stand-alone support for lightweight cameras. The SR-1000 is an essential tool for adding a professional level of polish to video projects, especially when using a camera with ergonomics better suited to still photography.

- Stabilizer for smooth, more professional camera movements
- Suitable for DSLRs or small to mid-size camcorders
- Supports a maximum load of up to 5.5 lbs
- Reversible padded shoulder support
- Detachable foam padded handle
- Forward, backward and height adjustable

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## LIRS250RM

Libec RS-250RM Tripod with Pan and Tilt Fluid Head and Mid-Level Spreader



The **Libec RS-250RM Tripod With Pan and Tilt Fluid Head and Mid-Level Spreader** delivers superior value with an aluminum tripod and a pan and tilt fluid head. It has a maximum height of 5.4' and a minimum height of 31.5" (80 cm). It can handle a load of up to 13 lb, and you can trace every motion, start to finish, with its super torque system. The fluid head is equipped with a sliding plate with a sliding range of +/- 1.6". The entire kit weighs 13.2 lb (6 kg). The RS-250RM can operate in a temperature range of -4 to +140°F (-20 to +60°C). This tripod is ideal for many different types of video cameras, including handheld/semi-shoulder HDV, XDCAM EX, P2HDm AVCHD, and DSLR cameras.

Aluminum tripod with fluid pan and tilt head spreader

Superb torque system for ultimate control

Outstanding rigidity and payload – up to 13 lb

Features a sliding plate (sliding range of +/- 1.6" (40mm)

Maximum height of 5'4"

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## LIZC3DV

### Libec Zoom Control for DV Cameras



The **Libec Zoom Control for DV Cameras** is a universal controller for LANC and Panasonic MiniDV or HDV cameras, with a converter switch for LANC (most Sony and Canon cameras) and Panasonic. A sensitive thumb switch allows for variable-zoom speed from slow to fast. The zoom lever allows you to zoom out to wide-angle or zoom in to telephoto. Lightweight and compact, this unit has an outlet cable and can be clamped on tripod pan handles, monopods, stabilizers, and other such devices.

*Note! Works only with Sony & Canon cameras with a 2.5mm mini-jack LANC input and Panasonic models with a 2.5mm mini-jack Cam Remote input.*

- Zoom speed varies from slowest to fastest with the touch of a thumb
- Mounts on most pan arms with ease

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## LESD400X32GB

32 SDHC-UHS-1 MEMORY CARD



### Product Description

The 32GB **SDHC Professional 400x Class 10 UHS-I Memory Card** from **Lexar** utilizes UHS-I technology for a super-fast 400x speed rating, allowing for 60MB/s maximum read speed. It's got a Class 10 rating and a minimum write speed of 20MB/s. The card is great for capturing high-quality still photos and 1080p HD video with any SDHC- or SDXC-compatible camera, and satisfies the needs of pro photographers and videographers. Image Rescue 4 software is available via download, enabling you to recover lost or accidentally deleted photo and video files. Also enjoy free professional tech support. The card is backed by a lifetime limited warranty.

### Technical Details

- Utilizes UHS-I technology for a super-fast 400x speed rating, allowing for 60MB/s maximum read speed. Card has a Class 10 rating and minimum write speed of 20MB/s
- Great for capturing high-quality still photos and 1080p HD video with any SDHC- or SDXC-compatible camera, and satisfies the needs of pro photographers and videographers
- When using a USB 3.0 card reader, you'll speed through post-production with blazing-fast card-to-computer file transfer, allowing you to get back behind the camera faster
- Image Rescue 4 software is available via download, enabling you to recover the majority of lost or accidentally deleted photo and video files, even if the card has been corrupted

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## KIFCRMLG3

### Kingston MobileLite G3 USB 3.0 Card Reader



The **MobileLite G3 USB 3.0 Card Reader** from **Kingston** is a convenient and versatile reader that supports a wide array of card formats, including SD / SDHC / SDXC, microSD / SDHC / SDXC and memory stick pro duo (MSPD). It allows users to carry a single device to store, transfer or read data on any USB 3.0 or 2.0 host device. With the large range of popular cards, you can be sure to have access to all of your data while using a variety of flash cards for mobile phones, digital cameras, tablets, netbooks, computers, MP3 players and more. MobileLite G3 meets the USB 3.0 specification and SDA 3.01 standard, and is backwards compatible with USB 2.0.

Ideal for personal or professional use, MobileLite G3 is an essential part of one's mobile gear as it is ultra-portable, simple to use, and requires no external power source. It is backed by a two-year warranty and comes with free technical support as well.

#### **Compatibility**

- Compliant with the USB 3.0 specification, SDA 3.01 standard, SD / SDHC / SDXC memory cards, microSD / SDHC / SDXC memory cards, Memory Stick Pro Duo, and backwards compatible with USB 2.0 technology

#### **Portability**

- Super lightweight and compact, you can have access to 9 different types of memory cards with a device that easily fits into a pocket



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## WACPACGRDUS

### Watson Compact AC/DC Charger for CGR-DU Series Batteries



This versatile **Compact AC/DC Charger** from **Watson** charges all Panasonic CGR-DU series type lithium-ion batteries via the included dedicated battery plate. The charger runs on 100-240VAC power, allowing for worldwide use. It features a fold-out 2-prong US plug and is supplied with a European plug adapter as well as a 12VDC car charger that plugs into a cigarette lighter. This makes the charger ideal for use both at home and on the road.

The Compact AC/DC Charger features a USB power output that allows you to charge and power MP3 players, phones, digital cameras, and other devices with a USB power input--even while charging your camera or camcorder batteries. With its easily interchangeable plate, the charger can also be used for other battery models via the purchase of an additional battery adapter plate.

- **Compatibility** Compatible with any Panasonic CGA-D220, CGA-D320, CGA-D54, CGP-D28, CGR-D08, CGR-D16, CGR-D28, CGR-D53, CGR-D54, CGR-D815 type batteries, and any Hitachi DZ-BP16, DZ-BP28 type batteries.
- **Compact** Charger features a fold-out AC plug for easy storage and travel.
- **Versatile** Comes with an included Euro plug adapter for charging in Europe. Included DC adapter with car lighter plug lets you charge while on the road.
- **USB Output** Charge or supply power for MP3 devices, mobile phones, digital cameras, and other related devices with a USB power input.

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## WADPACGRDU

### Watson Duo LCD Charger for CG-RDU Series Batteries



The **Duo LCD Charger for CG-RDU Series Batteries** from **Watson** conveniently charges two batteries simultaneously, drawing power from either an AC wall source (an AC cord with two-prong plug is included) or a 12/24V DC power source (a DC car charger is also included). Additionally, the Duo Charger features a USB power output to charge and power MP3 players, phones, digital cameras, and other devices with a USB power input. It features an AC adapter, LCD readout panel, and the capacity to charge two batteries.

With two easily interchangeable plates, the intelligent charger can also be used for other battery models that are not listed above via the separate purchase of an additional battery plate that's compatible with the intended battery model.

- **Dual Bay Charger** Charges two batteries simultaneously
- **LCD Display** The LCD display shows charging status, charging voltage, USB output, and DC output.
- **USB Output** Charge or supply power for MP3 devices, mobile phones, digital cameras, and other related devices with a USB power input--even while you're charging your digital camera or camcorder batteries. USB output is also displayed on the LCD.
- **Test Button** Test the charge of a battery even with the Duo Charger unplugged by sliding the battery into the charging plate and pressing the Test button. Press the button a second time to display the voltage of the battery.

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## WACGAD54

Panasonic CGA-D54 Lithium-Ion Battery Pack  
(for camera)



Panasonic's CGA-D54 is a battery designed to work with select Panasonic MiniDV digital Palmcorders. Its lithium-ion technology can power your camera for up to 9 hours. This battery is immune from "memory" effect; so you can fully recharge it any time you like and there's no need to wait for it to drain completely.

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## WALPE6

Watson LP-E6 Lithium-Ion Battery Pack (7.4V, 1750mAh)  
(for monitor)



The **Watson LP-E6 Lithium-Ion Battery Pack** works with the same cameras as the Canon LP-E6. This replacement battery pack features a capacity of 1750mAh and 7.4V of output power. Small and lightweight, Lithium-Ion batteries can be charged or discharged at any time without developing memory effects.

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## SOMDR7506

Sony MDR-7506 Circumaural Closed-Back Professional Monitor Headphone



The **MDR-7506** is a staple within the recording, film and live arenas. Due to its low impedance and closed ear design, the headphone does an outstanding job of cutting down background noise while providing plenty of volume in the studio or in the field. Additionally, the closed design helps eliminate "headphone bleed" when overdubbing in the studio.

The **MDR-7506** is an around-the-ear design and is ideal for use with MIDI workstations, camcorders or other equipment with less than powerful headphone amplification. The headphone has a foldable design, making it convenient to store or transport, and its coiled cable allows it to stretch and spring back into place whenever you need a bit more reach.

- Circumaural closed-back stereo headphone ideal for use in professional applications
- 40mm diameter drive units deliver deeper bass, lower distortion and wider dynamic range
- Neodymium magnets for maximum energy and minimum size
- Compact, foldable design
- Coiled cable allows for better mobility, and reach, while also preventing snags from tugging the headphones right off your ears
- OFC cable and gold plated Unimatch plug provides both 1/8" mini-jack and 1/4" TRS phono connectivity

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### ELRE50B

Omni-Directional Handheld Dynamic Shock Mounted ENG Microphone



Designed specifically as an ENG/EFP interview microphone. Every day, for local, national and international news reports, the **RE50B** gathers the audio for news interviews. The RE50B's custom "mic-within-a-mic" shock mount provides extremely low handling noise for superior sound. A large, built-in Acoustifoam filter keeps wind and P-pop noise to an absolute minimum, indoors or out. Frequency response is 80Hz-13kHz.

- Shock-mounted handheld interview microphone
- Industry's favorite news interview microphone
- Features EV DynaDamp™ shock mount
- Extremely low handling noise for superior sound
- "Mic-within-a-mic" concept reduces wind and P-popping noise

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## [RYMF1938SQ](#)

Rycote Square Mic Flag (Black)



The **Rycote Square Mic Flag** will accommodate microphone diameters measuring 0.74 to 1.49" (19 to 38mm), and is made of a durable shatterproof plastic with large printable logo areas. The flag features a series of durable red and black rubber "vaness" that align the inner perimeter and keep microphones secure. The system eliminates perishable foam inserts and the vanes are removable in order to accommodate various microphone diameters.

- Fits 0.74 to 1.49" (19 to 38mm) Mics
- Removable Rubber Vanes for Custom Fit
- Printable 2.24 x 1.88" (57 x 48mm) Area
- Durable Shatterproof Plastic

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### ONMY200

On-Stage MY200 Clothespin-Style Plastic Mic Clip



The **Clothespin-Style Plastic Mic Clip** from **On-Stage** is designed for use with a wide variety of microphones with its simple clip design.

- Holds microphones of various diameters

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## RONTG2BK2

### Rode NTG-2 Complete Shotgun Microphone HDSLR Kit



The **NTG-2 Complete Shotgun Microphone HDSLR Kit** is a **B&H Kit** designed to eliminate the guesswork in configuring a shotgun microphone system for the new breed of video enabled DSLR and other interchangeable lens cameras. It delivers quality and reliability while remaining cost effective.

The NTG-2 from **Rode NTG-2** is the featured shotgun microphone in this kit, supported by a universal shockmount, universal hand grip, cabled boom pole, windscreen, a right angled XLR cable and a impedance matching transformer cable for use with the video HDSLR. Rounding out the kit is a neoprene bag made to carry a boompole.

The kit is an all-in-one solution for event videos, budget film work, budget broadcasting, Electronic News Gathering (ENG) and field production applications that use an HDSLR camera. It can be used either on-camera, or as part of a secondary recording system.



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## AUDUSM1

Auray DUSM-1 Universal Shock Mount for Camera Shoes and Boompoles  
(part of shotgun kit)



The **Auray DUSM-1 Universal Shockmount** features a four-point suspension to accommodate shotgun and other cylindrical microphones measuring 0.74-0.98" (19-25mm) in diameter. The shockmount is easily angled with its rubberized adjustment knob. There is a built-in shoe for camera mounting, and a 3/8"-16 thread connection at the base mounts the shockmount to boompoles and universal hand-grips.

- Four-Point Silicone Suspension
- Fits Mics Measuring 19-25mm in Diameter
- Built-In Shoe Mount
- 3/8"-16 Thread Base for Boompoles

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### AUBPB34

Auray Boompole Bag  
(part of shotgun kit)



The **Auray Neoprene Boompole Bag for 34" Closed Boompole with Shotgun Mic and Softie** is a case designed to hold up to a 34" closed boompole with shotgun microphone, softie, and shock mount. Its interior end cap is strengthened to protect the bag from punctures. It features a zipper closure with protective interior lining to prevent snags and scratches. The bag is built with an interior pocket for accessories that opens or closes with hook and loop fasteners. An adjustable shoulder strap is included with a nametag holder.

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## KTKE89CC

K-Tek KE-89CC Avalon Series Aluminum Boompole with Internal Coiled XLR Cable (part of shotgun kit)



The **K-Tek KE-89CC Avalon Series Aluminum Boompole** provides a moderately priced, lightweight boompole solution for ENG, EFP and other field recording applications. Its sturdy aluminum design is tough enough to endure the rigors of road use while remaining lightweight and travel worthy. This pole features an internally coiled cable and XLR connection at the base of the pole. A total of 4 aluminum sections telescope between 2' 5"-7' 2" (0.76-2.19m) and will easily store in any standard equipment case. The captive-collet coupling system lock each section in place for even further reliability.

- Measures 2' 5"-7' 2" (0.76-2.19m)
- 4 Locking Sections
- Internally coiled XLR cable
- Bottom XLR Connection
- Captive-Collet Coupling System

## NJEDGE.Net Verizon FIOS Project

### ROWS6

Rode Windshield  
(part of shotgun kit)



Slip-on open cell foam windshield. It has a fitted synthetic fur cover. It reduces wind noise and protects your microphone.

# NJEDge.Net Verizon FIOS Project

## AUGRIP

Auray Universal Microphone Pistol Grip  
(part of shotgun kit)



The **Auray Universal Microphone Pistol Grip** is a handheld grip that features an ergonomic cushioned handle. This grip is great in "run & gun" situations in which a boom pole would be cumbersome, and in video scenarios in which the cameraman is also responsible for audio recording. The grip can be held with one hand, as opposed to a boom pole which requires two. It also provides the option of being able to record audio from a different direction than the camera is pointing, an advantage over camera mounting the mic. Furthermore, having the mic mounted off the camera prevents it from picking up motor noise from the lens focusing.

In addition, the grip features standard 3/8" threads on both ends. This allows you to attach your shotgun mic (with shockmount) to one end of the grip and mount the other end to a boom pole. This gives you the flexibility of being able to quickly detach the pistol grip and the attached shotgun mic from the boom, an option that can come in handy for entering areas that are too small for a boom pole.

- Cushioned Ergonomic Hand Grip
- 3/8" Threads on Both Ends
- Great for Small Spaces
- Can Attach to a Boompole
- Requires Shockmount with 3/8" Thread

## NJEDGE.Net Verizon FIOS Project

### KOM4001.5R

Kopul Studio Elite 4000 Series XLR M to Angled XLR F  
Microphone Cable – 1.5' (0.45 m), Black  
(part of shotgun kit)

### KOM4020R

Kopul Studio Elite 4000 Series XLR M to Angled XLR F  
Microphone Cable – 20' (6 m), Black  
(part of shotgun kit)



#### Product Description

The **Kopul Studio Elite 4000 Series 3-Pin XLR M to Angled 3-Pin XLR F (20') & (1.5')** is a premium, studio-quality cable that's engineered to be both quiet and durable, and is well-suited for the most critical recording and broadcast applications.

Studio Elite 4000 Series cables are made from 24 AWG OFC copper wire that's wrapped with PE insulation and a conductive PVC inner shield. A cotton-yarn inner layer helps reduce electrostatic and microphonic noise. A 98% braided outer shield makes the cable highly resistant to EMI and RFI noise. The Neutrix XX silver connectors provide the highest level of connectivity, and all the solder connections are shrink-wrapped for maximum protection.

- 98% braided shield offers the best protection from EMI and RFI noise
- Twin conductive PVC inner shields for 100% coverage
- 24 AWG oxygen-free stranded copper conductors
- Cotton yarn reduces electrostatic and microphonic noise
- Shrink wrapped solder points for seamless protection
- Neutrik XX silver connectors for highest conductivity

# NJEDge.Net Verizon FIOS Project

## SEEW100EN3A

### Sennheiser ew 100 ENG G3 Wireless Microphone System



The **Sennheiser ew 100 ENG G3 Wireless Microphone Combo System** is the latest addition to Sennheiser's Evolution family of wireless microphones. The UHF wireless microphone system features 1,680 tunable frequencies, 21 frequency banks and 12 frequency presets per bank. This package conveniently includes the EK 100 G3 camera mount receiver, SK 100 G3 bodypack transmitter with ME2 lavalier and SKP 100 G3 plug-in transmitter in one package.

The EK 100 G3 receiver is made of a durable metal enclosure and features a full functional LED display. The receiver features a 1/8" unbalanced TRS mini output for quick connection to camcorders. The receiver features 4 preset memory locations that can be reassigned to any of the 1,680 available frequencies, within the 42 MHz tuning range.

The SK 100 G3 bodypack transmitter features an identically designed enclosure as the receiver. It also features an LCD display and 12 preset memory locations that can be reassigned to any of the available 1,680 frequencies. The transmitter features an 1/8" locking-mini input for compatible lavalier microphones.

The ME2 omnidirectional lavalier microphone features a sensitivity and frequency response suitable for capturing in the most demanding environments.

The SKP 100 G3 plug-in transmitter allows any standard dynamic microphone with a 3-pin XLR connection, to be used wirelessly. The transmitter utilizes the same frequency band as the body-pack and is powered by 2x AA batteries or optional Sennheiser BA2015 accupack.

# NJEDge.Net Verizon FIOS Project

## BEX1002

Behringer XENYX 1002 - 10 Channel Audio Mixer  
(either *BEX1002* or *PEPV6U*, not both)



From **Behringer**, the **XENYX series** audio mixers are designed to provide real-world features and pristine audio fidelity while remaining cost effective and practical.

The **XENYX 1002** is a compact 10-channel audio mixer with 2 microphone inputs and 10 line level inputs. Inputs 3/4, 5/6, 7/8 and 9/10 are stereo paired for use with keyboards, player/recorders and other stereo devices. An additional stereo I/O is provided for connecting Tape and CD devices. The compact 1002 is well suited for project recording, home video editing, small PA systems and more.

### 10 Total Input Channels

- The XENYX 1002 features a total of 10 line inputs on 1/4" Phone connectors and 2 XLR microphone inputs.

### Stereo Inputs

- Channels 3/4, 5/6, 7/8 and 9/10 feature stereo paired 1/4" phone line inputs for keyboards, recorders and other stereo devices.

### Phantom Power

- User switchable +48V phantom power is supplied to condenser microphones.



# NJEDGE.Net Verizon FIOS Project

## VIZ96K

### Vidpro Professional Photo & Video LED Light Kit



The **Vidpro Professional Photo & Video LED Light Kit** provides required illumination for your video footage in any location. It includes a 96 LED Video Light, Adjustable Hot-Shoe / Tripod Mount, 3200K Tungsten Filter, 4200K Soft Diffuser, Li-ion Rechargeable Battery, European Adapter, Battery Charger (110V-240V), Vertical Interlock Accessory, and a Foam Padded Hard Carry Case.

With 96 high intensity LEDs, the video light can offer bright illumination by producing a powerful light beam. Using the adjustable stepless dimmer, you can control the brightness in the range of 0-100%. You can select different color temperatures (5600-4200K-3200K) using filters. Featured magnetic mounting system allows quick and secure filter/diffuser usage.

Incorporating interlocking housing design, the video light supports creation of stackable multi-unit LED array. The video light supports HD Wide Angle (16:9) and Standard (4:3) signal formats. You can power the video light using 5 AA batteries, 7.2V Li-ion battery (Sony L Series), or an AC power supply.

- Includes a 96 LED Video Light, Adjustable Hot-Shoe / Tripod Mount, 3200K Tungsten Filter, 4200K Soft Diffuser, Li-ion Rechargeable Battery, European Adapter, Battery Charger (110V-240V), Vertical Interlock Accessory, and a Foam Padded Hard Carry Case

# NJEDGE.Net Verizon FIOS Project

## IMFRC22K

### Impact Ready Cool 3-Point Lighting Kit



The **Impact Ready Cool 2 Lighting Kit** was put together to offer a portable daylight-balanced lighting solution for photography and videography. The kit includes 3 Ready Cool 2 fixtures, 3 AC cables, 6 55W daylight fluorescent lamps, 3 light stand adapters, 6 spare fuses, 3 padded carrying cases and 3 air-cushioned 8' light stands. The setup is ideal for larger items, groups, events and lighting backgrounds for blue/green screen Chromakey applications.

The FRC-22 Ready Cool Fixture features built-in hammered-aluminum reflective barndoors, very low power draw and heat emission and lamp life up to 8,000 hours. The Impact 8' light stands feature air-cushioning for smooth height adjustments and 5/8" top studs with a 1/4"-20 accessory screws.

#### What's Included:

- 3x Ready Cool 2-Lamp Fixture
- 6x 55W Daylight-Balanced Lamps
- 500W Tungsten Equivalent Each
- 3x Padded Case
- 3x Flexible Light Stand Adapter
- 3x 8' Air-Cushioned Light Stand

## NJEDge.Net Verizon FIOS Project

### PE1510DB

Pelican 1514 Carry On 1510 Case with Dividers (Black)



The **Pelican 1514 Carry On 1510 Case with Dividers** (Black) is an unbreakable, watertight, airtight, dustproof, chemical resistant and corrosion proof hard case used to carry any kind of equipment that needs to be protected from the elements. It is made of Ultra High Impact structural copolymer that makes it extremely strong and durable. It has a 0.25" (6.4mm) neoprene o-ring, and includes an automatic purge valve for quick equalization after changes in atmospheric pressure. It has a hinged case with double ABS latches that seal perfectly and padlock protectors that provide added strength and extra security against cutting and theft.

# NJEDGE.Net Verizon FIOS Project

## PEPC306

### Petrol Deca Airflow Camera Backpack



The **Deca Airflow Camera Backpack** from **Petrol** is designed to accommodate small cameras from Blackmagic, JVC, Panasonic, Canon, Red, and Sony. This backpack features a rainbow shape to allow air flow through to enhance comfort. Additionally, this no-hands carrier offers a special pocket for a 17" (43cm) laptop and accessories.

The main compartment has a runaround, heavy-duty zipper for easy camera access. Other smart features include sternum strap and padded waist straps for wearer comfort and security, and exterior pockets for extra storage.

- The backpack system features a rainbow shape design to allow air flow through for added comfort
- Compatible with cameras from Blackmagic, JVC, Panasonic, Canon, Red, and Sony
- Enough room to hold small cameras up to the Sony PMW-200 size without disturbing the viewfinder
- The main compartment has a generous wrap-around dual directional zipper for easy camera access
- Plastic interchangeable logo frame lets user add their own logo for personal branding
- Multi-cushioned interior offers maximum equipment protection
- Removable articulated dividers offer additional protection
- Back pocket holds up to 17" (43cm) laptop
- Pair of side pockets
- Padded top carrying handle
- Exterior 2 rings attach a tripod carrier PD700
- Built-in raincover included

# NJEDge.Net Verizon FIOS Project

## POQSMAC90

### Porta Brace Quick-Slick Rain Cover for Panasonic AG-AC90



The **Quick-Slick Rain Cover for Panasonic AG-AC90** from **Porta Brace** is made from water-resistant nylon and designed to protect your camcorder from dust, dirt, and moisture. It also features neoprene that fits around the lens and viewfinder for a secure fit. Vinyl windows provide a view of your camcorder's controls and dials. Touch fastened flaps hold the cover closed as well as providing an easy way to install and remove it.

#### Product Highlights

- Protects Camcorder from Rain, Dust
- Water-resistant Nylon Exterior
- Neoprene Around Lens/Viewfinder
- Vinyl Windows for Viewing Controls
- Made in the USA

# Storage, Bar Coding, and Editing

# NJEDge.Net Verizon FIOS Project

## DA42361872-05

Sandusky 72" Steel Storage Cabinet with 4 Adjustable Shelves,  
Dove Gray

**Note:** Given to the College for storage of the Field Equipment.  
Not to be lent out as Field Equipment.



- Welded steel construction stands up to constant use.
- 4 adjustable shelves hold up to 180 lb each.
- 3-point locking system locks the doors on top, side and bottom.
- Durable baked enamel finish resists dents and scratches.
- Comes with handles, locking system and shelves.

### Product Details

- Height – 72"
- Width – 36"
- Depth – 18"
- Color – Dove Gray

# NJEDGE.Net Verizon FIOS Project

## (Being replaced) Dell Inspiron 1210

Model No: PP40S

**Note:** Given to the College as the computer used with the Bar Code Scanner,  
for the “Check Out” and “Check In” procedure.  
Not to be lent out as Field Equipment.



Model No: PP40S

### Processor:

Type: Intel Silverthorne  
CPU: Intel Atom Z520 or Z530  
L2 Cache: 512 KB  
External bus frequency: 533 MHz

### Memory

Capacities: 1 GB  
Memory type: 533 MHz DDR2

### Display

Height: 6.42 in  
Width: 10.28 in  
Diagonal: 12.1

### Ports and Connectors

#### Audio

Integrated analog microphone  
Integrated analog speaker  
Microphone connector  
One stereo headphone/speakers connector

#### Mini-Card

Two full size Mini Card slots

#### Network adapter

RJ-45 port

#### USB

Three 4-pin USB 2.0 connectors

#### Video

15-hole connector



# NJEDGE.Net Verizon FIOS Project

## Symbol LS2208

### General Purpose Bar Code Scanner

**Note:** Given to the College as the Bar Code Scanner that is used with the Dell Inspiron 1210, for the “Check Out” and “Check In” procedure. Not to be lent out as Field Equipment.



#### **LS2208-SR20007R-UR - Symbol LS 2208 Reader**

The innovative LS 2208 of handheld scanners from Symbol Technologies delivers performance features at an affordable price to make your buying decision easier than ever.

The innovative LS 2208 handheld scanner from Symbol Technologies delivers performance features at an affordable price to make your buying decision easier than ever. If you're seeking investment protection in a scanner that's small and light enough for maximum productivity, then the LS 2208 Series is the ideal scanner for you.

Comes with Gooseneck Stand, USB Cable, Seat.

## NJEDGE.Net Verizon FIOS Project

### iMac 27-inch widescreen computer with Final Cut Pro X



One iMac 27-inch widescreen computer with Final Cut Pro X is given with each Field Equipment set. *(PC with Windows 7 and Adobe Premiere Pro if needed)*

### Final Cut Pro X Moviemaking package



Optimized for the new Mac Pro, Final Cut Pro X lets you edit and deliver like never before. Work with multiple streams of 4K ProRes at full resolution. Play back complex graphics and effects in real time without rendering. Even output your 4K video to ultra-high-definition displays via HDMI and Thunderbolt.

## NJEDge.Net Verizon FIOS Project

The following Items are one set to be kept at the NJEDge.Net Office

Not to be included at sets at different sites  
But can be asked for (*borrowed*).

# NJEDGE.Net Verizon FIOS Project

## BLATEMPSTU4K

### Blackmagic Design ATEM Production Studio 4K Live Switcher



The **Blackmagic ATEM Production Studio 4K Live Switcher** is a live event multi camera production switcher with 8 individual Ultra HD inputs built into a 1RU chassis. Supporting NTSC/PAL/HD and Ultra HD video formats via Four Single Link 6G-SDI and Four 4K HDMI inputs, the switcher connects to a wide range of cameras and sources, delivering a single program stream in SD, HD, or Ultra HD video. All this is done live and in real time with no rendering required.

The switcher features a reference video input for synchronizing the switcher to other equipment using Tri-level or Blackburst Sync. Each input also features its own frame synchronizer, which allows you to use cameras that do not feature Genlock as well as input video from computer sources. The switcher can handle inputs from all inputs at the same time.

The switcher provides 6 video outputs that are always active. Featuring one SDI and one HDMI Program output, both of which deliver SD/HD/Ultra HD, with one Aux SD/HD/Ultra HD Output that can deliver a clean Program feed without any downstream effects, as primary outputs. The switcher also features an HD only Program output signal for monitoring on an SDI-equipped HD monitor. Multiview monitoring is also HD only over dedicated SDI or HDMI output, and Multiview allows you to view the Program, Preview, six active inputs and two graphic channels (media players) on one screen at the same time. The switcher features a built-in compliment of 3 Luma and 1 Chroma keyers for real time effects and composites in Ultra HD, with 10-bit processing. Two downstream keyers allow you to use two graphics/logos/titles/lower thirds from up to twenty stored graphics in a wide variety of formats.

A built-in 2-channel audio mixer handles the embedded HDMI and SDI audio from the 6 active video inputs as well as audio from the balanced and unbalanced analog audio inputs to provide you flexibility and creative audio options. Audio output is embedded in the SDI and HDMI stream, as well as available via balanced audio outputs. Either a Mac or PC running the included ATEM Software controls the switcher's operation and settings. For those who like the feel of a physical control panel, available ATEM Broadcast Panels, connected via the Ethernet port, also control all the features of the switcher. Illuminated front panel buttons allow you to locally select the Aux output, while a 2-inch LCD screen built into the front of the unit allows you to see the Aux output for instant confirmation of the correct output.

# NJEDge.Net Verizon FIOS Project

## CAMERA AND ATTACHMENT ACCESSORIES

		
CAMCORDER	7" MONITOR	MONITOR HOOD
		
WIDE ANGLE LENS	UV PROTECTOR FILTER	TRIPLE SHOE V-BRACKET
		
SHOULDER SUPPORT	TRIPOD	REMOTE ZOOM CONTROL
		
32 GB MEMORY CARD	MEMORY CARD READER	COMPACT CHARGER
		
DUAL BATTERY CHARGER	BATTERY FOR CAMERA	BATTERY FOR MONITOR

# NJEDge.Net Verizon FIOS Project

## AUDIO ACCESSORIES

		
HEADPHONE	HANDHELD ENG MIC	SQUARE MIC FLAG
		
MIC CLIP-ON	SHOT-GUN MIC	SHOCK MOUNT
		
WINDSHIELD	BOOMPOLE	PISTOL GRIP
		
XLR AUDIO CABLE 20'	WIRELESS MIC SYSTEM	10 CHANNEL AUDIO MIXER

# NJEDge.Net Verizon FIOS Project

## LIGHTS

	
VIDEO LED LIGHT	LIGHTING KIT

## CASES & RAIN COVER

		
CASE WITH DIVIDERS	BACKPACK FOR CAMERAS	RAIN COVER